

Central California Ozone Study (CCOS)
Emission Inventory Coordination Group Meeting

Meeting Highlights
October 21, 1999

Attendees

Affiliation

Toch Mangat	Bay Area AQMD
Bruce Katayama	Sacramento Metro AQMD
Hao Quinn	Sacramento Metro AQMD
Brigette Tollstrup	Sacramento Metro AQMD
Hazel Hofman	San Joaquin Valley Unified APCD
Dave Jones	San Joaquin Valley Unified APCD
Tom Jordan	San Joaquin Valley Unified APCD
Bob Nunes	Monterey Bay Unified APCD
Gretchen Bennitt	Northern Sierra AQMD
Tom Roemer	San Luis Obispo County APCD
Dick Johnson	Placer County APCD
Colby Morrow	Fresno COG
Michael Benjamin	ARB
Karen Magliano	ARB
Andrew Ranzieri	ARB
Dean Saito	ARB
Saffet Tanrikulu	ARB
Cheryl Taylor	ARB
Dennis Wade	ARB

1. Welcome and Meeting Highlights

Cheryl Taylor welcomed everyone to the call. Introductions were made. Highlights of the August 31 conference call were approved as written.

2. Comments on Replacement Section for the Emission Inventory Portion of the Draft CCOS Study Plan

The replacement section for the emission inventory portion of the plan was passed to DRI for inclusion into the CCOS Study Plan. The section should have been incorporated; ARB will verify that the section has been included. The study plan is available at ARB's web site at: <http://www.arb.ca.gov/ccags/CCOS/docs>.

3. Feedback from September 22 and 29, 1999, Technical Committee Meetings

Cheryl Taylor provided feedback from the two Technical Committee meetings. ARB staff presented three proposals for discussion as proposed research projects: 1) area source gridding surrogates, 2) biogenics, and 3) small district assistance. Both the Technical and Policy Committees approved all three projects in principle. Final approval will be based on acceptable work plans. Since the CCOS study is not bound by the same rules as ARB on seeking contracts, the CCOS study is allowed to sole source contracts. ARB staff recommended that John Karlik, University of California Cooperative Extension (UCCE), be requested to write a work plan for the biogenics work. For the area source gridding surrogates, Sonoma Technology Inc. (STI) was

recommended for this project since they are currently performing very similar tasks for the Southern California Ozone Study (SCOS). Based on the recommendations of the Mountain Counties and Sacramento Valley TACs, the small district assistance project would be separated into two parts. The first part would be to update the emission estimates and other needed data from the larger point sources in the Mountain Counties and the Sacramento Valley (except Sacramento Metro AQMD). Student assistants from UC Davis may be used to gather the information needed and make updates into ARB's emission inventory database (CEIDARS). For the second part, STI was requested to provide a work plan to review and make recommendations regarding emission estimates for district area source categories. STI would also perform quality control of the larger point source updates.

4. Discussion of Research Projects

Cheryl described the chart showing the funding for the CCOS research projects related to emission inventory. The chart also shows the source of the funds. The updated contract funding is \$575,000. A contingency amount of \$245,000 is being reserved to ensure adequate funding for the motor vehicle work pending the results of the scoping study.

Status of Scoping Study for Collecting Day-Specific Traffic Count Data

Dr. Debbie Niemeier of UC Davis was unable to join the call (the conference call system would not allow her to join the call). Dennis Wade said he would ask Dr. Niemeier to give him a written status and he would distribute it to the EICG participants.

Integration of Transportation Data for CCOS Domain and Run DTIM for the Entire Modeling Domain

Karen Magliano reported that Alpine Geophysics has revised their work plan to include our request to gather socio-economic data from the COGs when they collect the transportation networks. ARB is in the process of reallocating the existing funds for this project.

Development of Base Year and Future Year Gridding Surrogates for Spatial Distribution of Area and Off-Road Source Emission Categories

The description of this project has remained unchanged and is funded at \$150,000. This project is expected to be completed by February 2001.

Development of Input Databases for a Biogenic Hydrocarbon Emissions Inventory for the CCOS Modeling Domain

Michael Benjamin described the revised biogenic project. After review of current research projects and work ARB can do in-house, the remaining work has been reduced to two specific tasks. This project would require the validation of two databases in the CCOS domain. The first database contains data for natural vegetation species (GAP) and the second contains leaf area index (LAI) data at a 1-kilometer resolution. This project would conduct field validation of the GAP and LAI databases at a number of sites in the CCOS domain. The cost of this work is estimated to be \$80,000. This project is expected to be completed by mid 2001.

Small District Assistance

This project would provide assistance to small districts to review and update their emission inventories. Based on input from the Sacramento Valley and Mountain Counties TACs, ARB staff recommended that students from UC Davis gather and update emissions and other information for larger point sources. A contractor (probably STI) will provide assistance to the

districts to review and make recommendations regarding emission estimates for district area source categories and perform quality control on larger point source information.

Some participants expressed concern about the ability of student assistants to update the emission inventory correctly because of the complexity of some sources. Cheryl will review the types of sources in the Mountain Counties and Sacramento Valley. Tom Roemer suggested that greater cooperation might be obtained from district management if CAPCOA and EITAC are approached about the use of students. Gretchen Bennitt said that the Mountain County districts would meet soon to discuss how assistance could best be provided to them. They will have specific ideas ready in about 1 1/2 months. Cheryl agreed to define this project more specifically before the next conference call. This project will be discussed in more detail then.

5. Emission Inventory Requirements for Districts in CCOS Domain

Cheryl Taylor described the draft CCOS Emission Inventory Preparation Plan. This Preparation Plan is designed to list all the steps needed to develop the CCOS modeling inventories. Along with each step is the agency that will be accomplishing the task and the projected timeframe for completing the task. This plan is a working document that will be revised as needed. Colby Morrow pointed out that the baseline annual average emission inventory development did not have a section related to mobile sources. ARB will expand the preparation plan to include a mobile source section. The plan will be discussed in greater detail at the next call.

6. Other Issues

Dean Saito described a possible project that ARB is considering related to remote sensing. ARB is writing a memo to contract with BAR to conduct remote sensing for CCOS. ARB is also preparing a scope of work. The decision to continue with this project will depend of the results of the scoping study.

7. Plans for Next Meeting

The next conference call is scheduled for November 15 from 1:30 to 3:00 p.m. Another call is planned for December 1 from 1:30 to 3:00 p.m.